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Term:	L9 and (verapamil or diltiazem or cinnarizine or nifedipine)
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DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L10</u>	L9 and (verapamil or diltiazem or cinnarizine or nifedipine)	95	<u>L10</u>
<u>L9</u>	L8 and ((solution or liquid) same composition)	230	<u>L9</u>
<u>L8</u>	L7 and propellant	241	<u>L8</u>
<u>L7</u>	L6 and carrier	990	<u>L7</u>
<u>L6</u>	L5 and hypertension	1084	<u>L6</u>
<u>L5</u>	L4 and nasal\$	2102	<u>L5</u>
<u>L4</u>	(calcium adj channel adj (blocker or antagonist))	8692	<u>L4</u>

DB=PGPB,USPT; PLUR=YES; OP=OR

<u>L3</u>	Karl near Weinrich	5	<u>L3</u>
<u>L2</u>	Timothy near Maher	20	<u>L2</u>
<u>L1</u>	(Christopher adj P) near Adams	20	<u>L1</u>

END OF SEARCH HISTORY



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☐ **1:** [Triggle DJ.](#)

[Related Articles, Links](#)

L-type calcium channels.

Curr Pharm Des. 2006;12(4):443-57. Review.

PMID: 16472138 [PubMed - indexed for MEDLINE]

☐ **2:** [Richard S.](#)

[Related Articles, Links](#)

Vascular effects of calcium channel antagonists: new evidence.

Drugs. 2005;65 Suppl 2:1-10. Review.

PMID: 16398057 [PubMed - indexed for MEDLINE]

☐ **3:** [Fomin VV, Moiseev SV.](#)

[Related Articles, Links](#)

[Hypertension combined with atherosclerotic lesions in carotid arteries: should angiotensin converting enzyme inhibitors be prescribed?]

Kardiologiia. 2005;45(12):99-102. Review. Russian. No abstract available.

PMID: 16353055 [PubMed - indexed for MEDLINE]

☐ **4:** [Karpov IuA.](#)

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[Ischemic heart disease combined with hypertension: peculiarities of course and selection of therapy]

Kardiologiia. 2005;45(12):87-92. Review. Russian. No abstract available.

PMID: 16353053 [PubMed - indexed for MEDLINE]

☐ **5:** [Reynolds NA, Wagstaff AJ, Keam SJ.](#)

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Trandolapril/verapamil sustained release: a review of its use in the treatment of essential hypertension.

Drugs. 2005;65(13):1893-914. Review.

PMID: 16114984 [PubMed - indexed for MEDLINE]

☐ **6:** [Sica DA.](#)

[Related Articles, Links](#)

Calcium channel blocker class heterogeneity: select aspects of pharmacokinetics and pharmacodynamics.

J Clin Hypertens (Greenwich). 2005 Apr;7(4 Suppl 1):21-6. Review.

PMID: 15858399 [PubMed - indexed for MEDLINE]

☐ **7:** [Sica D.](#)

[Related Articles, Links](#)

Calcium channel blockers and the kidney.

Clin Cornerstone. 2004;6(4):39-52. Review.

PMID: 15850765 [PubMed - indexed for MEDLINE]



Day : Tuesday
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Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
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Christopher

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Last Name

First Name

Weinrich

Karl

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(FILE 'HOME' ENTERED AT 16:26:28 ON 05 SEP 2006)

FILE 'CAPLUS, MEDLINE, USPATFULL' ENTERED AT 16:26:48 ON 05 SEP 2006

L1 13362 S (CALCIUM(W)CHANNEL(W)(BLOCKER OR ANTAGONIST))

L2 31 S L1 (P) (NASAL?)

L3 26 DUPLICATE REMOVE L2 (5 DUPLICATES REMOVED)

L4 26 FOCUS L3 1-

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
TI Nasal administration of calcium channel blockers for treatment of hypertension and other cardiovascular disorders
AB Pharmaceutical compns. useful for the treatment of cardiovascular disorders such as hypertension are described. These compns. are formulated for nasal administration and comprise a therapeutically effective amount of a calcium channel blocker, optionally a pharmaceutically acceptable carrier that is suitable for nasal administration, and one or more optional members selected from excipients and addnl. pharmaceutically active agents.

ACCESSION NUMBER: 2005:961466 CAPLUS
DOCUMENT NUMBER: 143:253914
TITLE: Nasal administration of calcium channel blockers for treatment of hypertension and other cardiovascular disorders
INVENTOR(S): Adams, Christopher P.; Maher, Timothy; Weinrich, Karl P.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 19 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2005191245	A1	20050901	US 2004-789965	20040227
PRIORITY APPLN. INFO.:			US 2004-789965	20040227

L4 ANSWER 12 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
TI Intranasal delivery of RS-93522, a dihydropyridine-type calcium-channel antagonist
AB The nasal route for RS-93522 (I) appears to be as effective as the i.v. route. The onset of absorption was rapid and the drug plasma levels after nasal administration were similar to those following i.v. administration. Excellent nasal bioavailability and rapid absorption were observed. Therefore, therapeutic treatment with this compound via nasal administration is a viable approach and offers an alternative to oral administration where ineffective and variable absorption is a problem.

ACCESSION NUMBER: 1991:108831 CAPLUS
DOCUMENT NUMBER: 114:108831
TITLE: Intranasal delivery of RS-93522, a dihydropyridine-type calcium-channel antagonist
AUTHOR(S): Fu, Roger Cherng Chi; Whatley, John L.; Fleitman, Jeffrey S.
CORPORATE SOURCE: Inst. Pharm. Sci., Syntex Res., Palo Alto, CA, 94304, USA
SOURCE: Pharmaceutical Research (1991), 8(1), 134-5
CODEN: PHREEB; ISSN: 0724-8741
DOCUMENT TYPE: Journal
LANGUAGE: English